

Permit Evaluation Report 60853
OMNOVA Solutions Inc.
1667000007
February 14, 2013

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Ohio EPA, Division of Air Pollution Control

Permit Evaluation Report

Facility ID: 1667000007

Report ID 60853

Reporting Period 01/01/2012-12/31/2012

Facility Name OMNOVA Solutions Inc.

Report Type Permit Evaluation Report

Due Date: Feb 15, 2

Submitted: No

Report Status Draft

Additional Information & Corrections

Please list below any additional information you need to communicate. At a minimum, identify if you have any EU(s) that were permanently shutdown, EU(s) that will not be installed, or EU(s) not in operation during the reporting period. See the 'PER Form FAQ' document for an explanation and examples from the system's Reference Page.

2012 Permit Evaluation Report. EU P015 was not installed, and PTIO P0105137 expired in February 2011. The following is a correction to the first quarter deviation report (Report ID 49174). The report indicated that for 1,347 minutes, the rolling 3-hour average temperature of the thermal oxidizer was less than 1,451 degrees Fahrenheit (deg F) during the first quarter. However, the emission units (EUs) were not operating during these times. When the data were corrected to include only the periods when the rolling 3 hour average temperature was less than 1,451 deg F while the EUs were operating, the total was zero (0) minutes. This correction is reflected in the PER below for EUs P004, P013, P101, P103, P105, P106, P110 and P115.

Detailed EU Information

The Emission Unit(s) listed below has been issued a PTIO(s). Complete the table below by identifying whether deviations or exceedances of operational restrictions(OR)/emissions(EL) and/or monitoring, record keeping or reporting (MRR) occurred by selecting either Yes or No. If any of the date fields do not identify an actual date, you are required to update your Facility Profile for each applicable emissions unit(s). Failure to update your Facility Profile may result in an incomplete report submittal.

		Dates			Deviations or Exceedances From:		Notes
DAPC EU ID	DAPC EU Description	Permit Number: Effective Date	Completion of Initial Installation	Begin Installation/ Modification	Commence Operation after Latest Modification	OREL MRR	
P004	Latex Polymerization & Degassing Process	P0101911: 04/27/2009 P0109399: 06/22/2012	Jun 01, 1974	Jun 01, 1974	Dec 01, 1995	Yes Yes	
P013	Wastewater Steam Stripping Column	P0101911: 04/27/2009	Sep 01, 1992	Sep 01, 1992	Oct 01, 1992	Yes Yes	
P014	Butadiene distillation column, overhead condenser, reflux	P0101911: 04/27/2009	May 01, 2000	May 01, 2000	May 01, 2000	No No	The butadiene distillation column was started up on June 13, 2012 and operated intermittently through September 5, 2012. On that date, the

	drum, reboiler, pumps; vented to an existing Process Combustion Corp Thermal Incinerator						system was purged of all butadiene a was mothballed until the summer of 2013.
P101	Pilot Plant 30-gallon Reactors	P0101911: 04/27/2009	Jun 30, 1969	Jun 30, 1969	Jun 30, 1969	Yes	Yes
P103	Pilot Plant Latex Strippers	P0101911: 04/27/2009	Jun 30, 1950	Jun 30, 1950	Jun 30, 1950	Yes	Yes
P105	Pilot Plant Acrylic Latex Polymerization	P0101911: 04/27/2009	Jun 30, 1967	Jun 30, 1967	Jun 30, 1967	Yes	Yes
P106	Pilot Plant In-Mold/Specialty Coatings and Fluorinated Monomers/Polymers	P0101911: 04/27/2009	Jun 01, 1966	Jun 01, 1966	Jun 01, 1966	Yes	Yes
P110	Pilot Plant Polymerization Process #1	P0101911: 04/27/2009	Mar 01, 2000	Mar 01, 2000	May 01, 2000	Yes	Yes
P115	Pilot Plant Polymerization Process #6	P0101911: 04/27/2009	Mar 01, 2000	Mar 01, 2000	May 01, 2000	Yes	Yes
T014	52,848 gallon variable vapor space storage tank - Styrene Bulk Storage Tank T-53-20	P0107784: 03/25/2011	Jun 01, 1985	Jun 01, 1985	Oct 01, 2002	No	No
P015	SA Polymerization Process	P0105137: 08/31/2009				No	No
P017	NLB Corp. 200-HP (230 BHP) Hi-Pressure Water Jetting Diesel, Model No. 7200D-1-1/2 - Haywagon	P0110263: 09/04/2012	Nov 23, 1998	Nov 23, 1998	Nov 23, 1998	No	No
P018	Jetstream 110-HP (110 BHP) Hi-Pressure Water Jetting Diesel, Model No. 3015 - PP Diesel	P0110263: 09/04/2012	Dec 15, 2000	Dec 15, 2000	Dec 15, 2000	No	No

This EU was not installed, the PTIO expired in February 2011.

Additional information is required for each deviation or exceedance that prompted a 'yes' answer in the Detailed EU Information table above and for any visible emissions (VE) incident that occurred during the reporting period. This information may be identified through either the following table or by attaching the information below. When attaching a document in lieu of using the table below, the document must meet the content requirements identified in the hard copy PER you received. Examples are available in the 'PER' document available from the system's Reference Page.

Dev/Exc/VE ID	DAPC EU ID	Start Date	End Date	Duration	Description of Deviation or Exceedance and Probable Cause	Description of Corrective Actions taken, if any; if none, describe why not
21509	P004, P013, P101, P103, P105, P106, P110, P115	Jun 03, 2012	Jun 03, 2012		478 minutes	The rolling 3-hour average combustor temperature of the thermal oxidizer dropped below 1,451 deg F from 0105 hours to 0900 hours on June 3, 2012. (478 minutes) due to the inadvertent introduction of inert gases (primarily nitrogen) into the vacuum system and the inability of the thermal oxidizer temperature control system to compensate for the excessive inert gas by burning more natural gas to maintain the normal operating temperature of 1,500 deg F.
The source of the inert gases was identified and isolated. No other corrective actions were necessary, and the system	21478	P004, P013, P101, P103, P105, P106, P110, P115	Mar 04, 2012	May 16, 2012		72 days

corrected itself.					
The deviation was due to the failure of the total hydrocarbon analyzer, which was caused by a plug in the capillary tubing connecting the sintered sample filter to the sample burner. Apparently, some of the stack gas had condensed inside the capillary tubing, which prevented the stack gas sample from reaching the burner.	The analyzer could not be repaired on-site, so it was removed from service and returned to the manufacturer for repair, a process which took 72 days to complete.				

Attachments

Attachment ID	Description	Type	Modified By	Last Modified
No records found				